

FIG. 1A

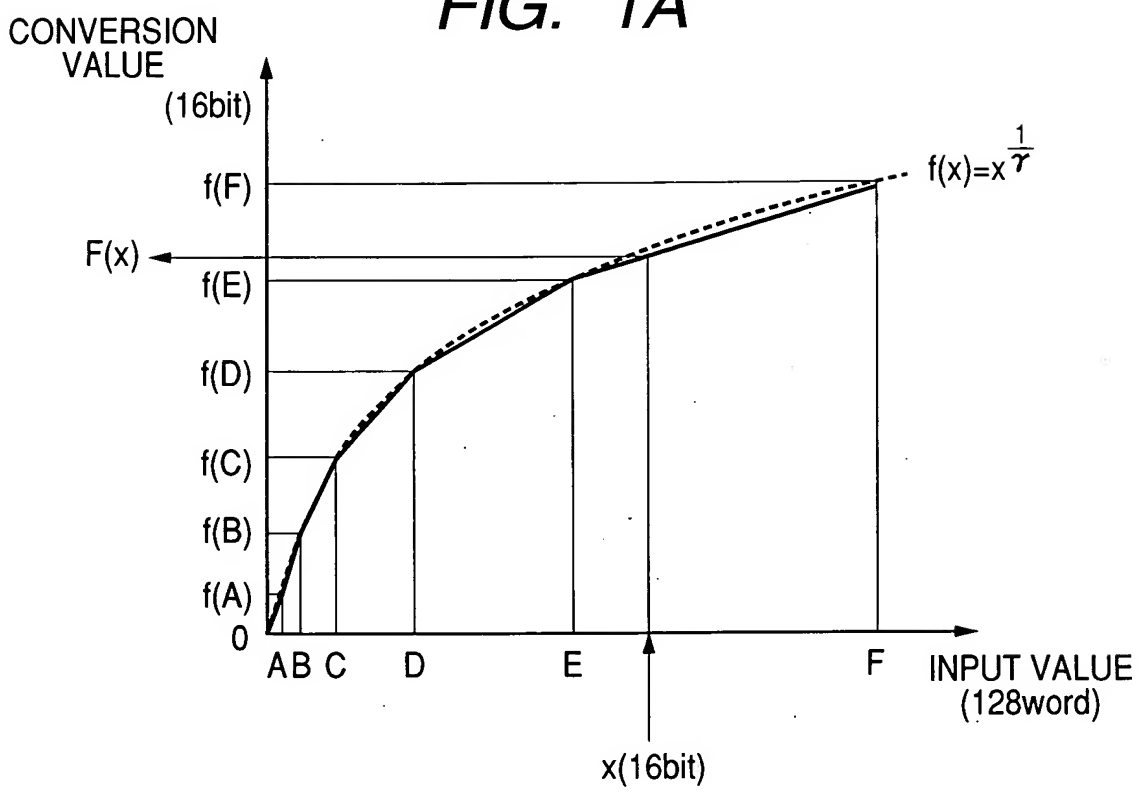


FIG. 1B

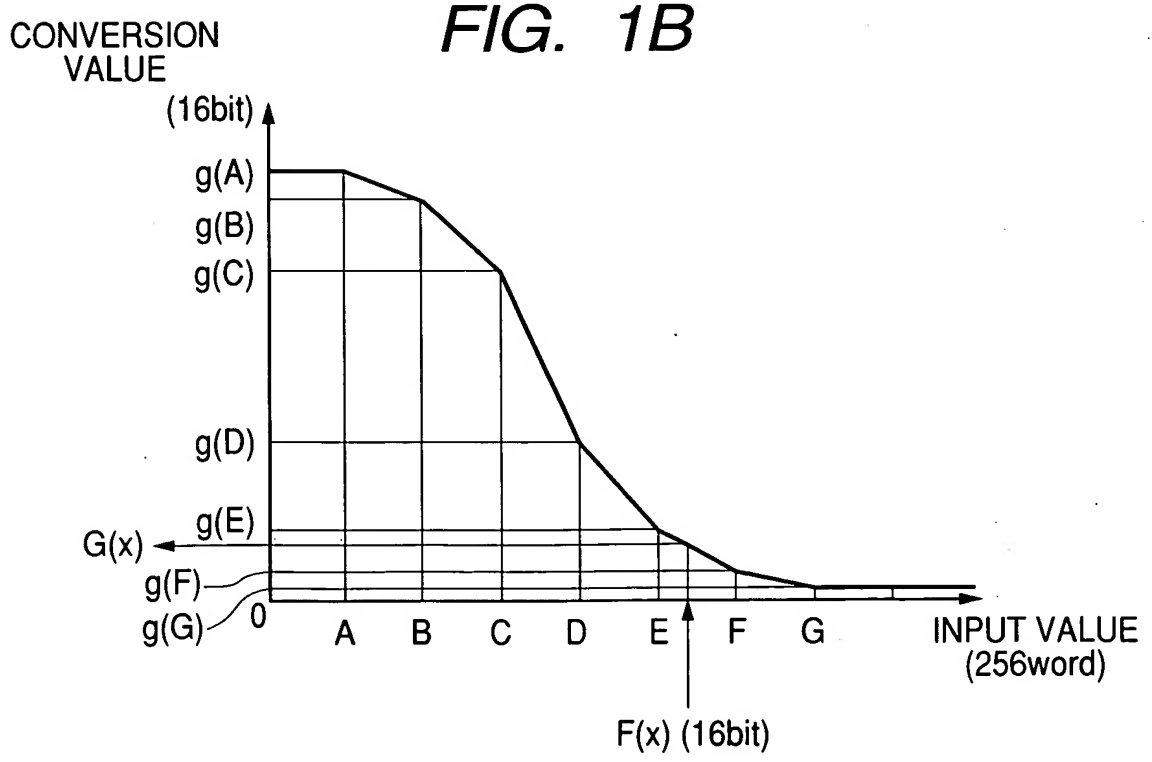


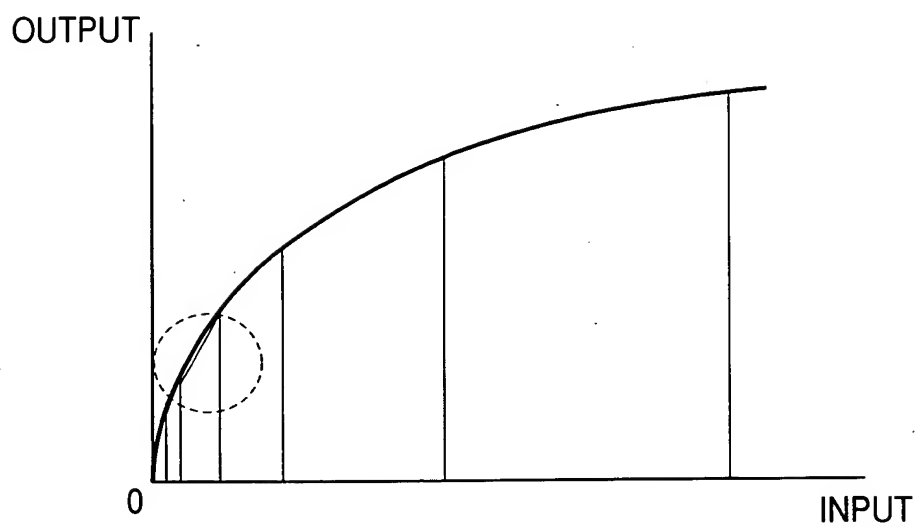
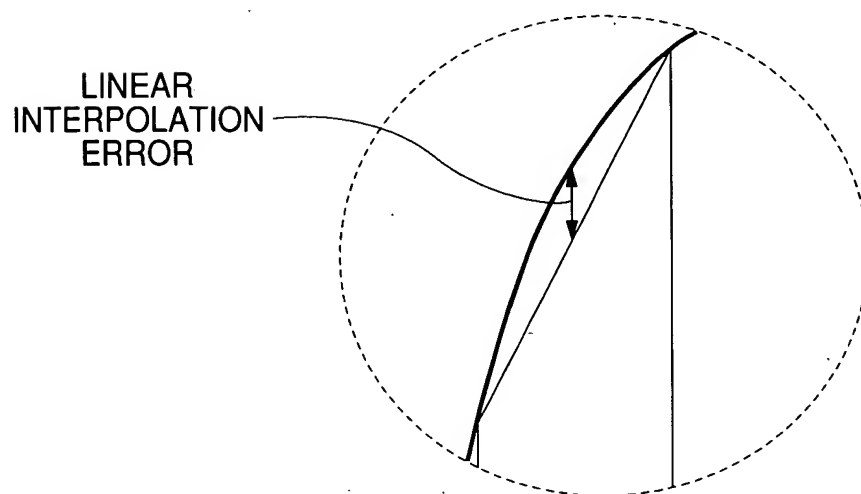
FIG. 2A*FIG. 2B*

FIG. 3

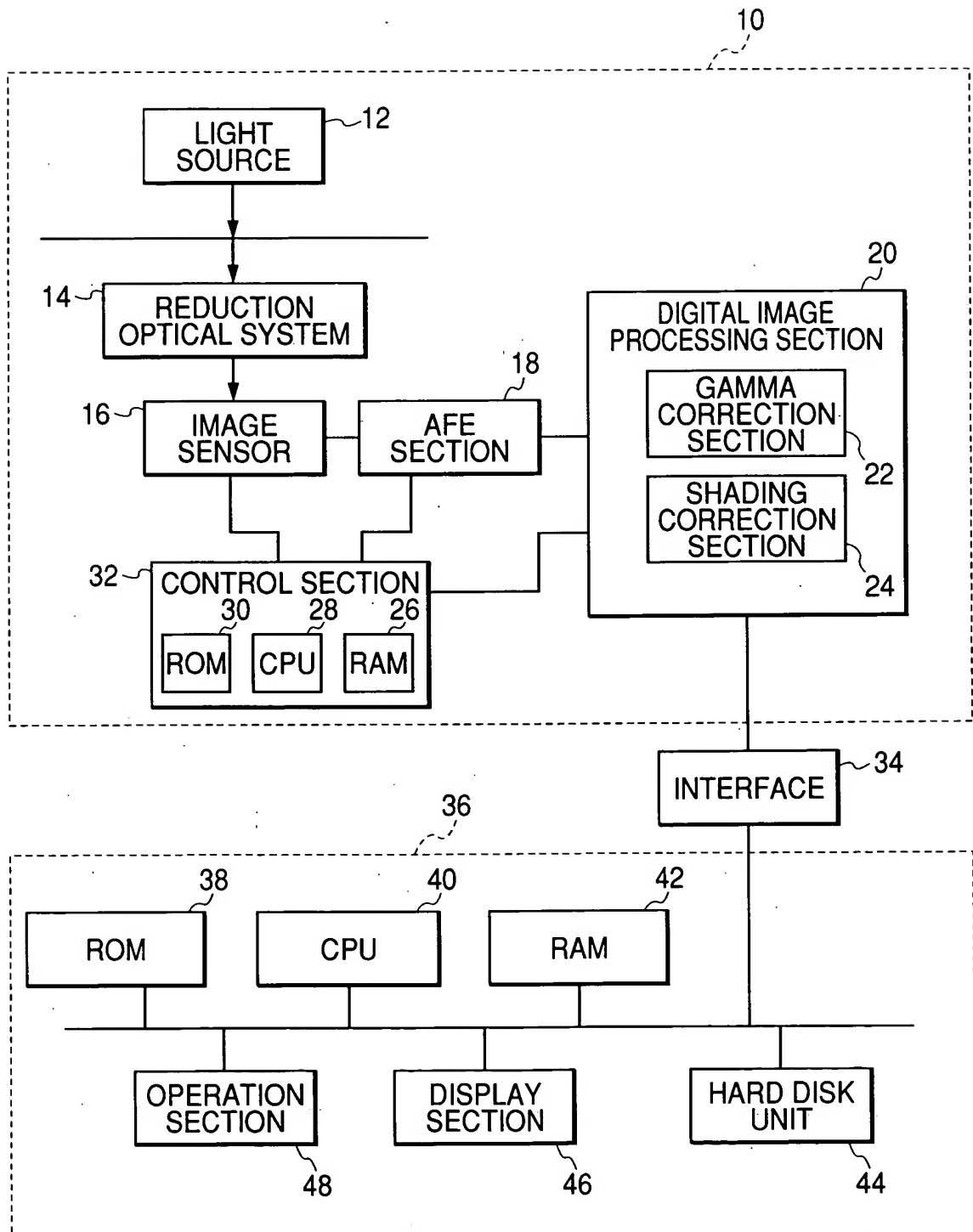


FIG. 4

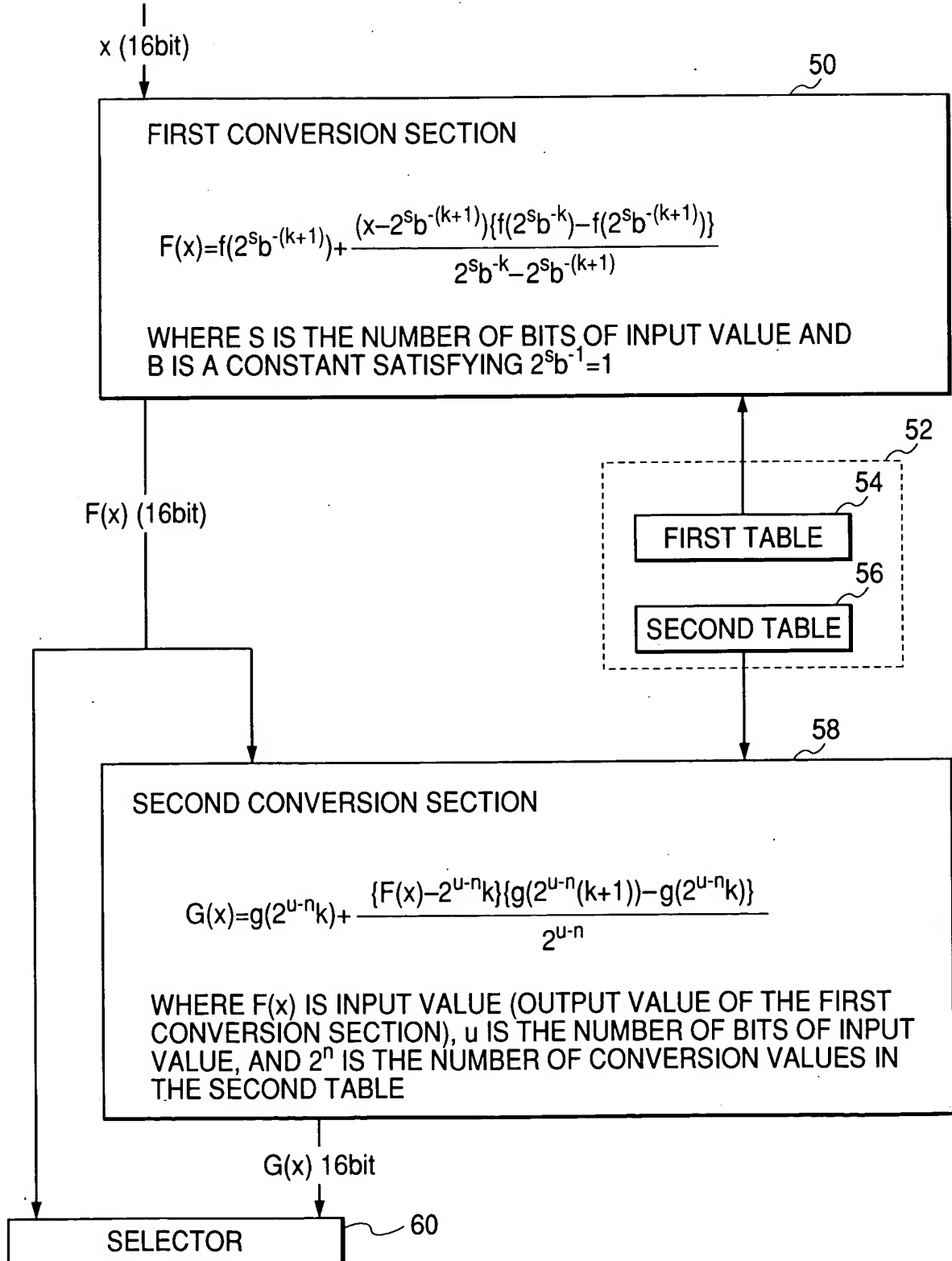


FIG. 5

| | | INPUT VALUE | | | | | | | | | | | | | | | ADDRESS | |
|--------------------------------------|---|-------------|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---------|-----------|
| | | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | |
| LOW-ORDER 11-BIT INTERPOLATION | ↑ | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | 1100_1111 |
| | ↓ | 1 | 1 | 1 | 1 | 0 | | | | | | | | | | | | 1100_1110 |
| | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 1 | 0 | 0 | 0 | 1 | | | | | | | | | | | | 1100_0001 |
| LOW-ORDER 10-BIT INTERPOLATION | ↑ | 1 | 0 | 0 | 0 | 0 | | | | | | | | | | | | 1100_0000 |
| | ↓ | 0 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | 1011_1111 |
| | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 0 | 1 | 0 | 0 | 0 | 0 | | | | | | | | | | | 1011_0000 |
| LOW-ORDER 9-BIT INTERPOLATION | ↑ | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | 1010_1111 |
| | ↓ | | | | | | | | | | | | | | | | | |
| | ↑ | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | | | | | | 1010_0000 |
| | ↓ | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | 1001_1111 |
| LOW-ORDER 8-BIT INTERPOLATION | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | | | | | 1001_0000 |
| | ↑ | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | | | | | 1000_1111 |
| | ↓ | | | | | | | | | | | | | | | | | |
| LOW-ORDER 7-BIT INTERPOLATION | ↑ | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | | | | 1000_0000 |
| | ↓ | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | 0111_1111 |
| | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | | 0111_0000 |
| LOW-ORDER 6-BIT INTERPOLATION | ↑ | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | | | | 0110_1111 |
| | ↓ | | | | | | | | | | | | | | | | | |
| | ↑ | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | | 0110_0000 |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 0101_1111 |
| LOW-ORDER 5-BIT INTERPOLATION | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | 0101_0000 |
| | ↑ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0100_1111 |
| | ↓ | | | | | | | | | | | | | | | | | |
| LOW-ORDER 4-BIT INTERPOLATION | ↑ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | 0100_0000 |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | 0100_1111 |
| | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | 0100_0000 |
| LOW-ORDER 3-BIT INTERPOLATION | ↑ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | 0011_1111 |
| | ↓ | | | | | | | | | | | | | | | | | |
| | ↑ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | 0011_0000 |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | 0010_1111 |
| LOW-ORDER 2-BIT INTERPOLATION | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | 0010_0000 |
| | ↑ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | 0010_1111 |
| | ↓ | | | | | | | | | | | | | | | | | |
| LOW-ORDER 1-BIT INTERPOLATION | ↑ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | 0010_0000 |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0001_1111 |
| | ↑ | | | | | | | | | | | | | | | | | |
| | ↓ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0000_0001 |
| NO INTERPOLATION | ↑ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0000_0000 |
| | ↓ | | | | | | | | | | | | | | | | | |

FIG. 6

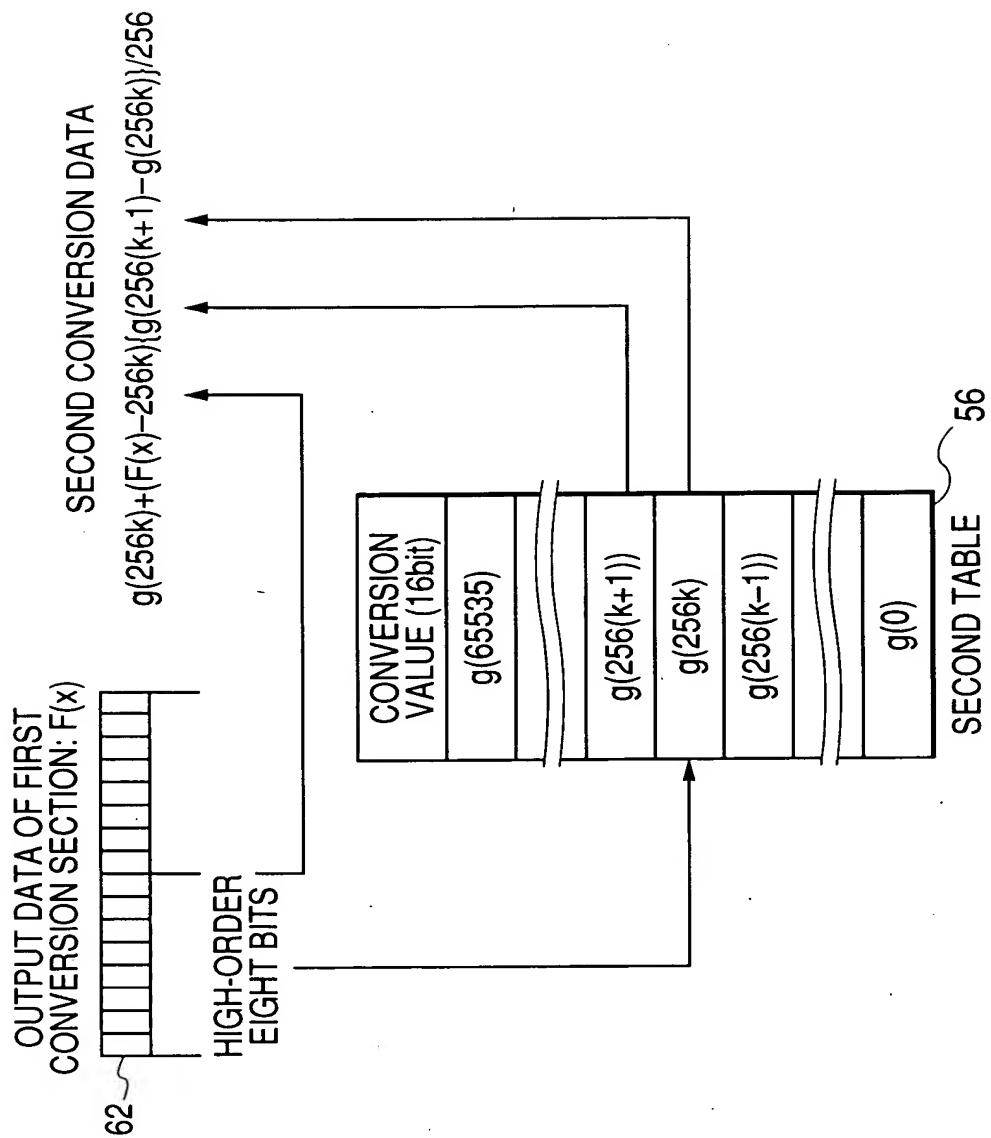


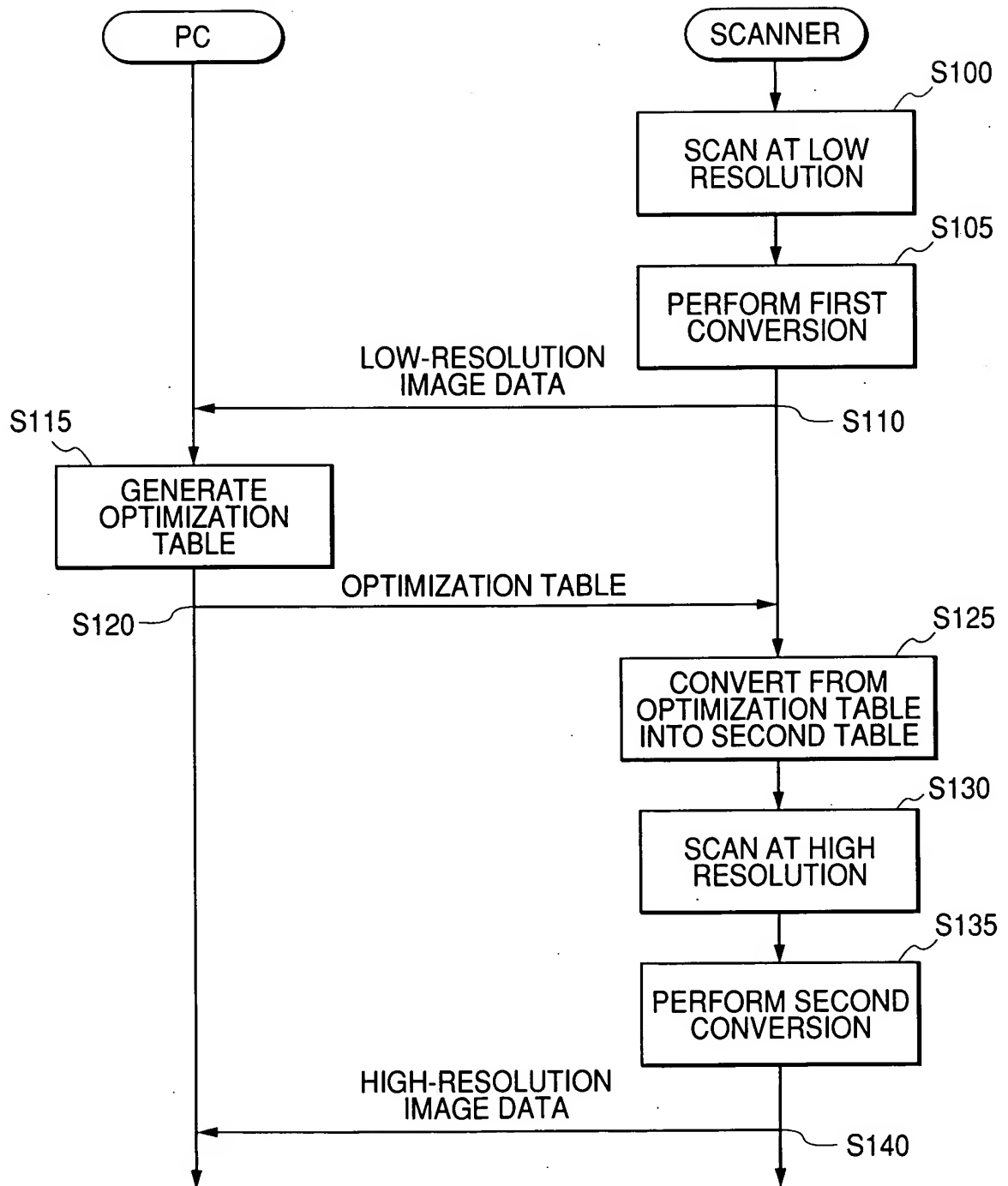
FIG. 7

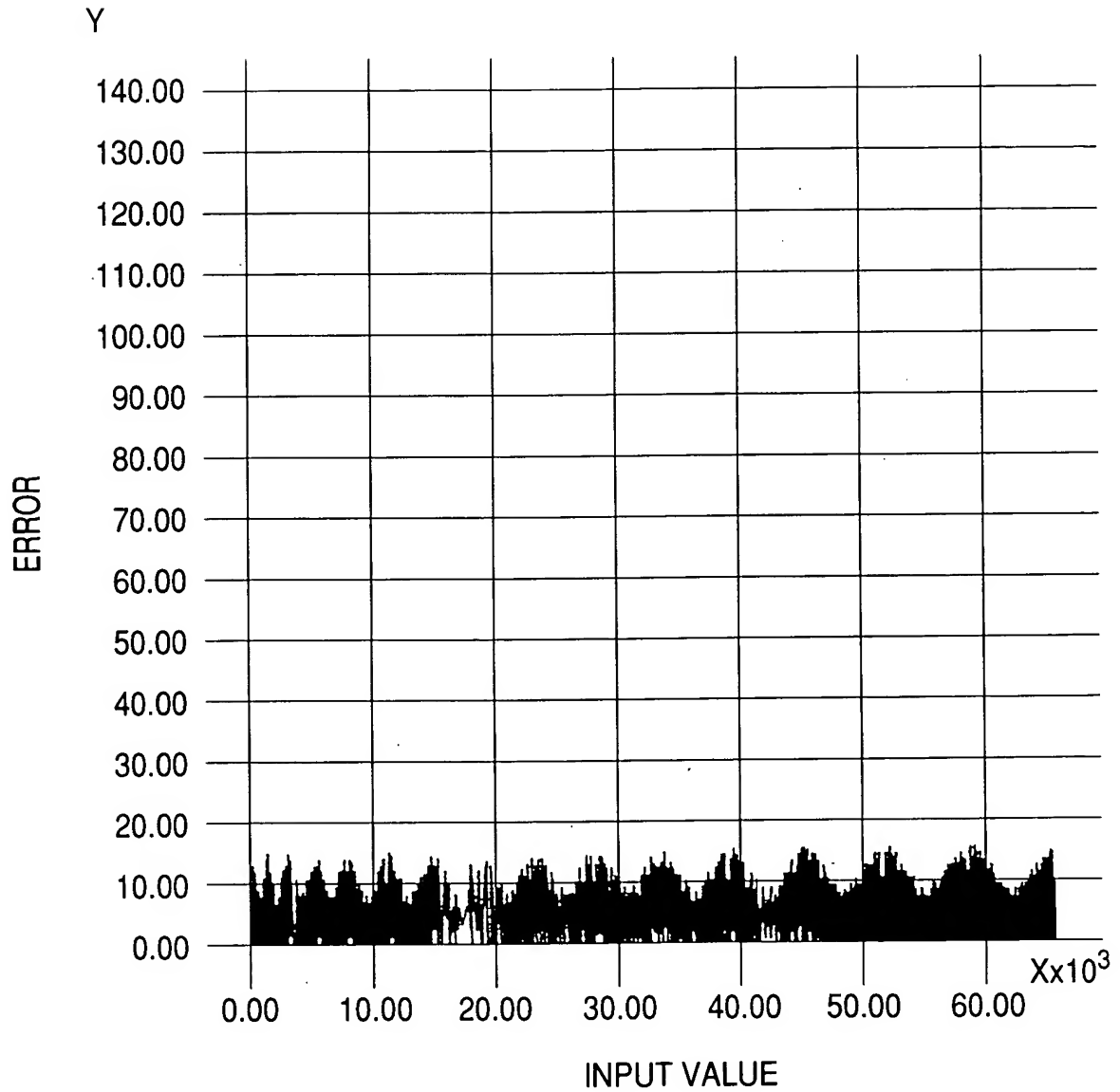
FIG. 8

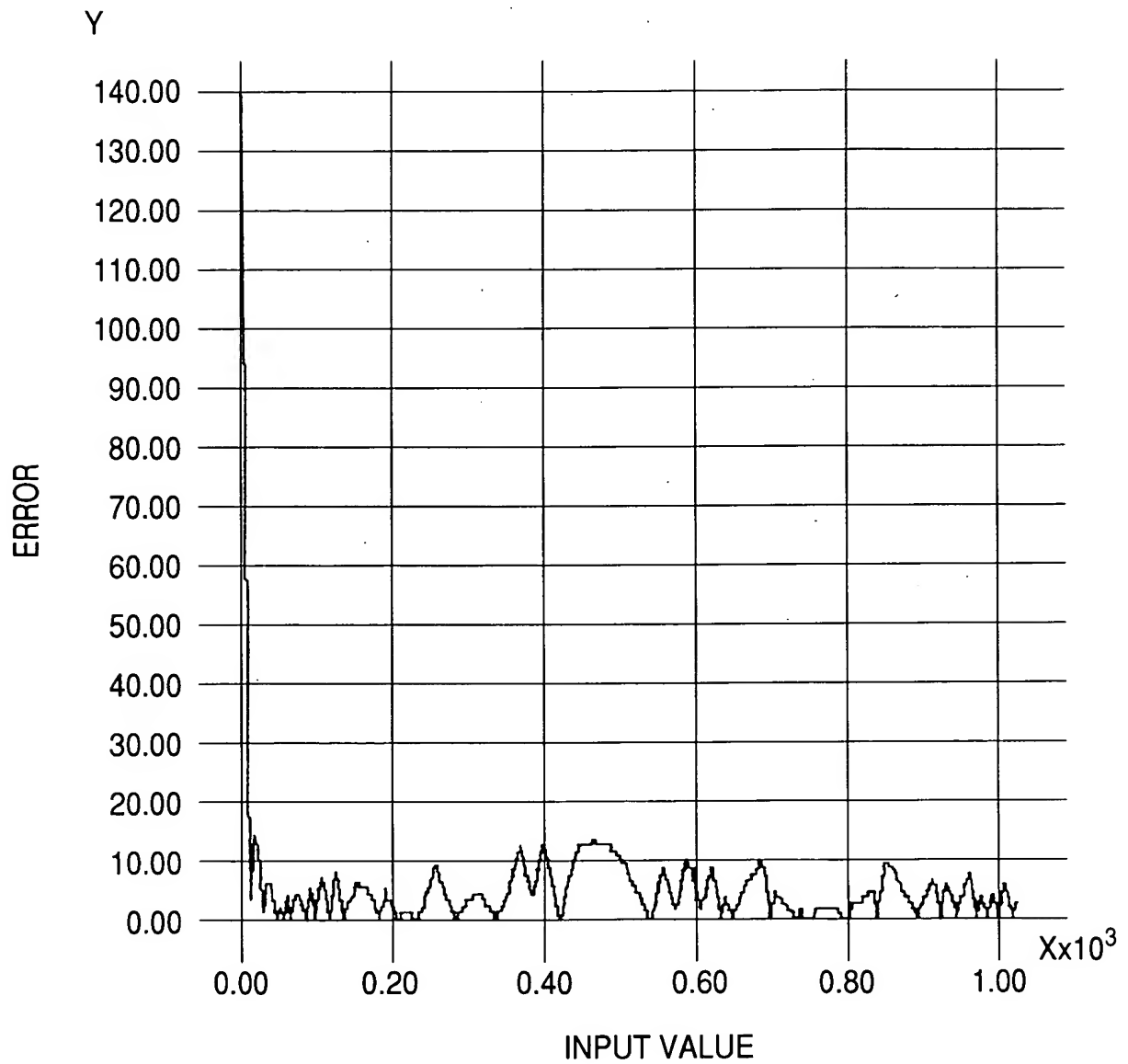
FIG. 9

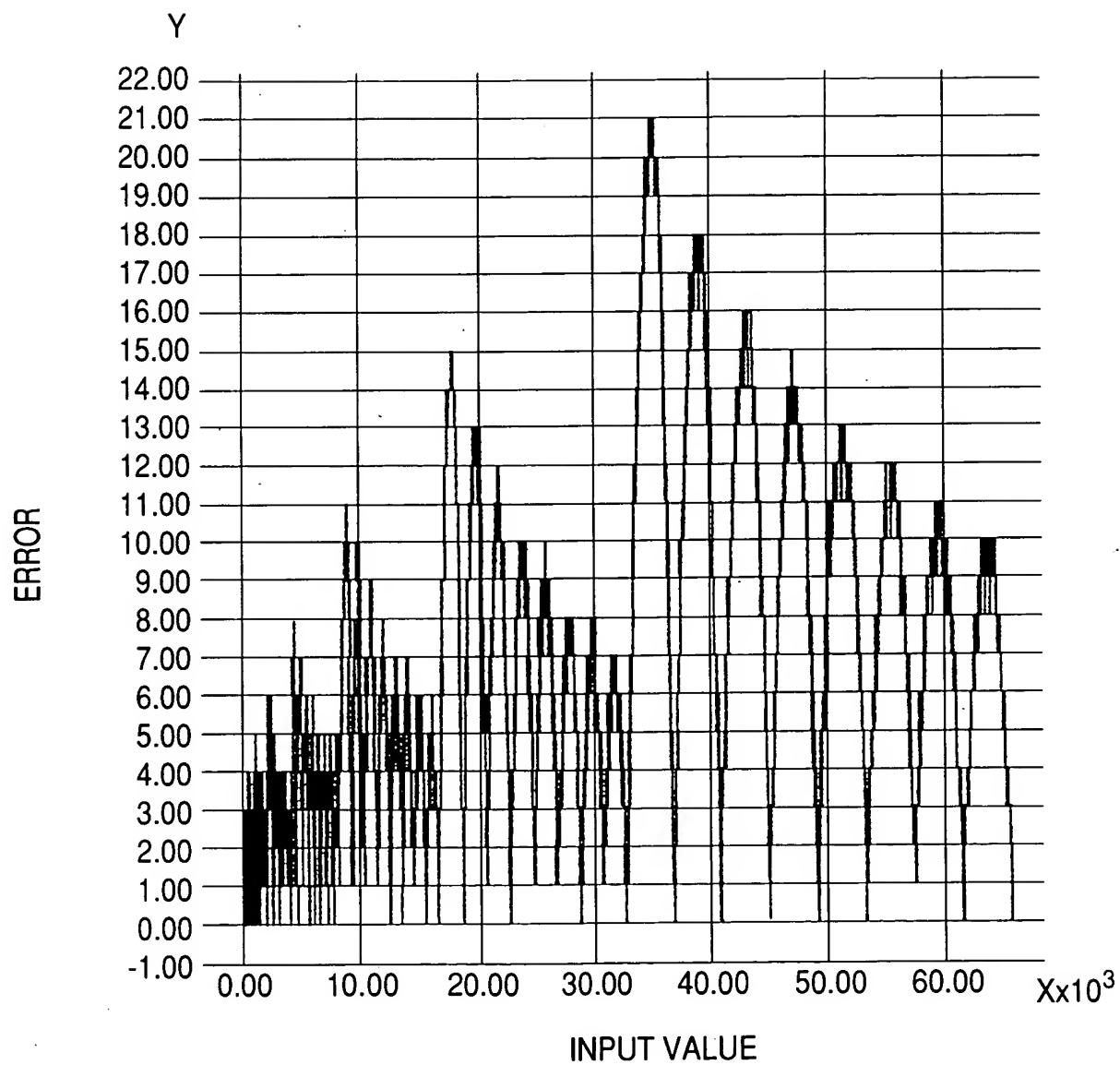
FIG. 10

FIG. 11